

ABSTRACT OF THE DISCLOSURE

In a DC/DC converter using an insulating transformer Tr having a center tap on the secondary side, an input choke coil L1 and an output choke coil L3 are integrated with the insulating transformer Tr, a primary coil (number of turns: $2N$) and a secondary coil (number of turns: $n + n$) of the transformer, the input choke coil L1 (number of turns: $2N$), and the output choke coil L3 (number of turns: n) are wound around a common core (magnetic core), and the coils are arranged in directions of canceling DC fluxes generated by the coils, so that the DC bias magnetization is considerably reduced.